

REMARKS

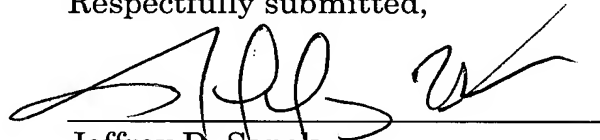
Claims 2, 3, 7 and 9 have been preliminarily amended. Examination of all claims 1-13 is requested.

If there are any questions regarding this Preliminary Amendment or this application in general, a telephone call to the undersigned would be appreciated since this should expedite the prosecution of the application for all concerned.

It is respectfully requested that, if necessary to effect a timely response, this paper be considered as a Petition for an Extension of Time sufficient to effect a timely response and shortages in other fees, be charged, or any overpayment in fees be credited, to the Account of Crowell & Moring, LLP, Deposit Account No. 05-1323 (Docket #1420/50851).

Respectfully submitted,

October 23, 2002

  
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**VERSION WITH MARKINGS TO SHOW CHANGES MADE**

Please amend claims 2, 3, 7 and 9 as follows:

2. (Amended) A map information update apparatus comprising:

a communication control unit that connects via a digital mobile telephone system with a map display control apparatus, which controls a display device so as to display a map on the display device based upon map display data, to engage in exchange of digital data;

a map information update reception unit that receives information related to the map currently displayed on the display device from the map display control apparatus via the communication control unit;

a map display update data base unit that stores map display data for update related to the map display data utilized by the map display control apparatus;

a map information update unit that updates the information related to the map by using the map display data for update related to the map display data utilized by the map display control apparatus; and

an updated map information transmission unit that transmits the information related to the map updated by the map information update unit to the map display control apparatus via the communication control unit.

3. (Amended) A map information update system comprising:

a map display control apparatus; and

a map information update apparatus, wherein

the map display control apparatus comprises:

a map display control unit that controls a display device so as to display a map on the display device based upon map display data;

a communication control unit that connects with the map information update apparatus via a digital mobile telephone system to engage in exchange of digital data;

a map information transmission unit that transmits information related to the map currently displayed on the display device to the map information update apparatus via the communication control unit;

a map information reception unit that receives information related to the map updated by the map information update apparatus from the map information update apparatus via the communication control unit; and

the map display control unit being enabled to control the display device so as to update the map displayed on the display device based upon the updated information related to the map received at the map information reception unit, and

the map information update apparatus comprises:

a communication control unit that connects with the map display control apparatus via the digital mobile telephone system to engage in exchange of digital data;

a map information update reception unit that receives information related to the map currently displayed on the display device from the map display control apparatus via the communication control unit;

a map display update data base unit that stores map display data for update related to the map display data utilized by the map display control apparatus;

a map information update unit that updates the information related to the map by using the map display data for update related to the map display data utilized by the map display control apparatus; and

an updated map information transmission unit that transmits the information related to the map updated by the map information update unit to the map display control apparatus via the communication control unit.

7. (Amended) A map information update control method comprising:

a communication control step in which digital data are exchanged via a digital mobile telephone system with a map display control apparatus that controls a display device so as to display a map on the display device based upon map display data;

a map information update reception step in which information related the map currently displayed on the display device is received from the map display control apparatus;

a map information update step in which information related to the map is updated by using map display data for update which are stored in a map information update device and related to the map display data utilized by the map display control apparatus; and

an updated map information transmission step in which the information related to the map updated through the map information update step is transmitted to the map display control apparatus.

9. (Amended) A computer-readable computer program product containing a map information update control program used in a map information update apparatus, the map information update control program comprising:

communication control instructions for exchanging digital data with a map display control apparatus, which controls a display device so as to display a map on the display device based upon map display data, via a digital mobile telephone system;

map information update reception instructions for receiving information related to the map currently displayed on the display device from the map display control apparatus;

map information update instructions for updating information related to the map by using map display data for update which are stored within the map information update device and related to the map display data utilized by the map display control apparatus; and

update map information transmission instructions for transmitting the information related to the map updated in response to the map information update instructions to the map display control apparatus.